

## **Attachment 6- Budget**

Humboldt Bay Municipal Water District Groundwater Study

DWR Local Groundwater Assistance Grant Program, P84 LGA 2012 Application

BMS Electronic File: "Att6\_LGA12\_HBMWD\_BUDGET\_1of1"

Costs associated with completing the proposed groundwater study are attached. Costs match the proposed scope of work and associated tasks and schedule. A cost of approximately \$249,952, not including a cost share of approximately \$11,600 from the Humboldt Bay Municipal Water District (HBMWD), is estimated to complete the proposed groundwater study.

Cost Notes:

Reimbursable Costs

- Task 1 Permits: There will be well drilling permit fee from Humboldt County Department of Environmental Health – estimated at \$500.

Sub-Consultants

- Task 1 Well Driller: A licensed well drilling company will complete the soil boring and well installation. The cost for this item was based on several recent drilling jobs completed for HBMWD and other local municipalities by GHD, HBMWD's Contract Engineer.
- Task 2 Geophysics: A sub-consultant firm specializing in geophysics with experience in similar types of projects will be contracted to complete the geophysics work. The cost estimate of \$85,000 was based on discussion with a geophysics firm and recent bids on comparable projects.
- Task 3 Independent Model Review: To assure the highest quality and most reliable groundwater model, the completed groundwater model will be independently reviewed by a 3<sup>rd</sup> party sub-consultant. The cost for this review of \$8,000 is based on an estimated hourly rate of \$160 per hour for 50 hours.

***SUMMARY***  
**COST ESTIMATING SHEET**

PROJECT NAME: HBMWD LGWA

PROJECT MANAGER: Pat Kaspari

PROJECT NUMBER:

PROJECT ENGINEER: Patrick Sullivan

Prepared by: Patrick Sullivan  
Date: July 12, 2012

TASK/UNIT	DIRECT LABOR	REIMBURSABLE	SUBCONSULTANTS	TOTAL GRANT EST	TOTAL COST SHARE
1) Monitoring Well Installation	\$14,554	\$500	\$53,000	\$68,054	\$720
2) Geophysical Investigation	\$9,770	\$0	\$85,000	\$94,770	\$0
3) Groundwater Modeling	\$44,196	\$0	\$8,000	\$52,196	\$1,920
4) CEQA Compliance/ Permitting	\$7,438	\$0	\$0	\$7,438	\$1,360
5) Stakeholder and Local Public Agency Coordination	\$5,552	\$0	\$0	\$5,552	\$3,680
6) QA/QC Project Management	\$10,296	\$0	\$0	\$10,296	\$1,360
7) Final Groundwater Study Preparation	\$6,296	\$0	\$0	\$6,296	\$1,430
8) Grant Administration	\$5,350	\$0	\$0	\$5,350	\$1,130
9)	\$0	\$0	\$0	\$0	\$0
10)	\$0	\$0	\$0	\$0	\$0
11)	\$0	\$0	\$0	\$0	\$0
12)	\$0	\$0	\$0	\$0	\$0
	\$103,452	\$500	\$146,000	\$249,952	\$11,600

**DIRECT LABOR  
COST ESTIMATING SHEET**

PROJECT NAME: **HBMWD LGWA**

PROJECT MANAGER: Pat Kaspari

PROJECT NUMBER:

PROJECT ENGINEER: Patrick Sullivan

Prepared by: Patrick Sullivan

Date: 12-Jul-12

TASK/UNIT		GRANT LABOR COSTS									GRANT LABOR SUB-TOTAL	COST SHARE LABOR COSTS			
		Senior	Assoc.	Proj Engr/Geo	Staff Engr/Geo	Tech	Drafting/GIS	Clerical	Indirect	Senior		Staff	Clerical	LABOR	
		\$165	\$145	\$125	\$95	\$85	\$95	\$70	\$6	\$120		\$90	\$55	SUB-TOTAL	
1)	Monitoring Well Installation	(hr)	6	12	56	32	4	4	5	119			8		
		(\$)	\$990	\$1,740	\$7,000	\$3,040	\$340	\$380	\$350	\$714	\$14,554	\$0	\$720	\$0	\$720
2)	Geophysical Investigation	(hr)	2	8	40	24		4	2	80					
		(\$)	\$330	\$1,160	\$5,000	\$2,280	\$0	\$380	\$140	\$480	\$9,770	\$0	\$0	\$0	\$0
3)	Groundwater Modeling	(hr)	4	20	200	140			2	366			4	16	
		(\$)	\$660	\$2,900	\$25,000	\$13,300	\$0	\$0	\$140	\$2,196	\$44,196	\$480	\$1,440	\$0	\$1,920
4)	CEQA Compliance/ Permitting	(hr)	2	4	12	40	8		2	68			8	2	4
		(\$)	\$330	\$580	\$1,500	\$3,800	\$680	\$0	\$140	\$408	\$7,438	\$960	\$180	\$220	\$1,360
5)	Stakeholder and Local Public Agency Coordination	(hr)	4	12	16			8	2	42			12	20	8
		(\$)	\$660	\$1,740	\$2,000	\$0	\$0	\$760	\$140	\$252	\$5,552	\$1,440	\$1,800	\$440	\$3,680
6)	QA/QC Project Management	(hr)	24	40					2	66			8	2	4
		(\$)	\$3,960	\$5,800	\$0	\$0	\$0	\$140	\$396		\$10,296	\$960	\$180	\$220	\$1,360
7)	Final Groundwater Study Preparation	(hr)	4	16	16			8	2	46			8	4	2
		(\$)	\$800	\$2,320	\$2,000	\$0	\$0	\$760	\$140	\$276	\$6,296	\$960	\$360	\$110	\$1,430
8)	Grant Administration	(hr)	2	8					50	60			4	6	2
		(\$)	\$330	\$1,160	\$0	\$0	\$0	\$0	\$3,500	\$360	\$5,350	\$480	\$540	\$110	\$1,130
9)		(hr)													
		(\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0		\$0
10)		(hr)													
		(\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0		\$0
11)		(hr)													
		(\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0		\$0
12)		(hr)													
		(\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0		\$0
TOTAL			48	120	340	236	12	24	67		\$103,452	\$5,280	\$5,220	\$1,100	\$11,600
			\$8,060	\$17,400	\$42,500	\$22,420	\$1,020	\$2,280	\$4,690	\$5,082					

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**REIMBURSABLE  
COST ESTIMATING SHEET**

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PROJECT NAME:

HBMWD LGWA

PROJECT MANAGER: **Pat Kaspari**

PROJECT NUMBER:

PROJECT ENGINEER: Patrick Sullivan

Prepared by:

Patrick Sullivan

Date:

12-Jul-12

TASK/UNIT	Permits			REIMBURSABLE SUB-TOTAL
1) Monitoring Well Installation	\$500			\$500
2) Geophysical Investigation				\$0
3) Groundwater Modeling				\$0
4) CEQA Compliance/ Permitting				\$0
5) Stakeholder and Local Public Agency Coordination				\$0
6) QA/QC Project Management				\$0
7) Final Groundwater Study Preparation				\$0
8) Grant Administration				\$0
9)				\$0
10)				\$0
11)				\$0
12)				\$0
TOTAL	\$500	\$0	\$0	<b>\$500</b>

### SUB-CONSULTANTS COST ESTIMATING SHEET

PROJECT NAME: HBMWD LGWA

PROJECT MANAGER: Pat Kaspari

PROJECT NUMBER: \$50.00

PROJECT ENGINEER: Patrick Sullivan

Prepared by: Patrick Sullivan  
Date: 12-Jul-12

TASK/UNIT	Well Driller	Independent Model Review	Geophysics		SUB CONSULTANTS SUB-TOTAL
1) <u>Monitoring Well Installation</u>	\$53,000				\$53,000
2) <u>Geophysical Investigation</u>			\$85,000		\$85,000
3) <u>Groundwater Modeling</u>		\$8,000			\$8,000
4) <u>CEQA Compliance/ Permitting</u>					\$0
5) <u>Stakeholder and Local Public Agency Coordination</u>					\$0
6) <u>QA/QC Project Management</u>					\$0
7) <u>Final Groundwater Study Preparation</u>					\$0
8) <u>Grant Administration</u>					\$0
9) _____					\$0
10) _____					\$0
11) _____					\$0
12) _____					\$0
TOTAL	\$53,000	\$8,000	\$85,000	\$0	\$146,000